

FIG. 1
PRIOR ART

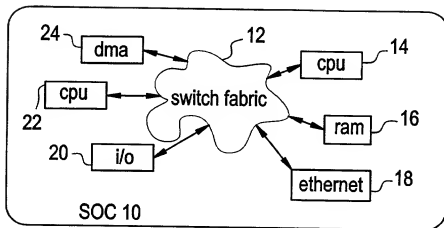


FIG. 2

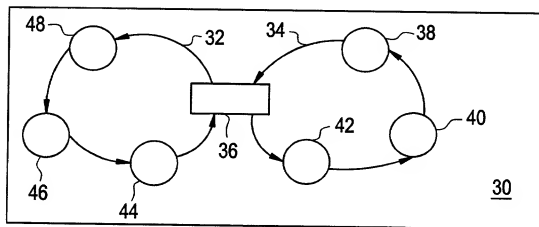


FIG. 3

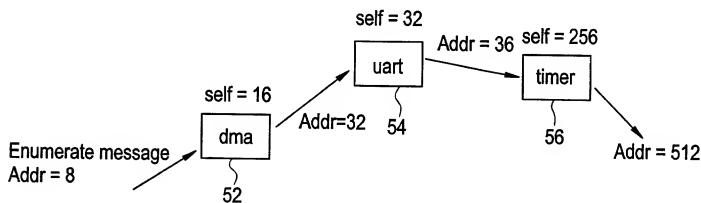


FIG. 4

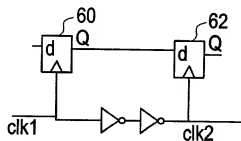


FIG. 5

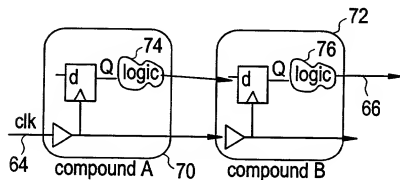


FIG. 6

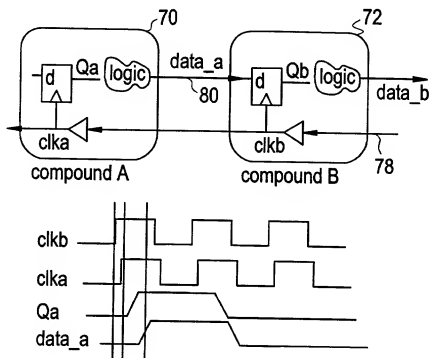


FIG. 7

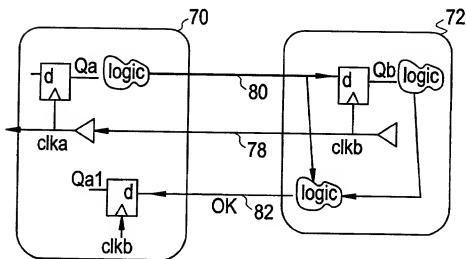


FIG. 8

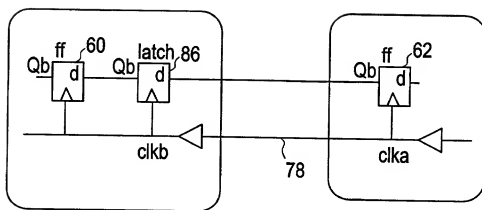


FIG. 9

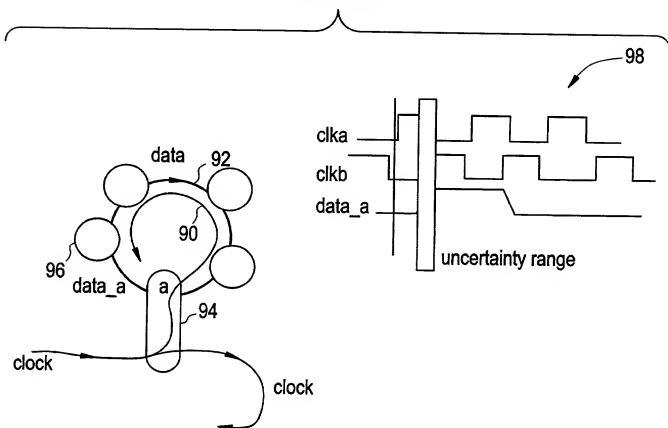


FIG. 10

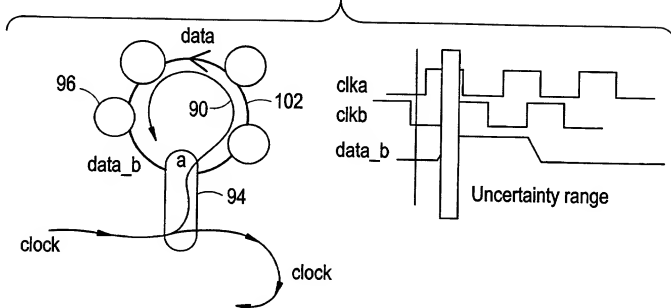


FIG. 11

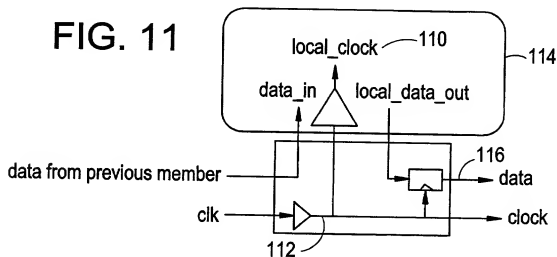


FIG. 12

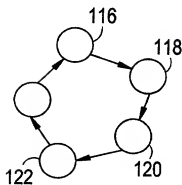


FIG. 13

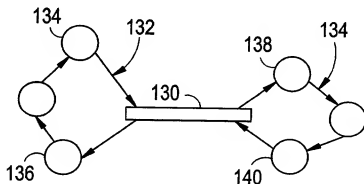


FIG. 14

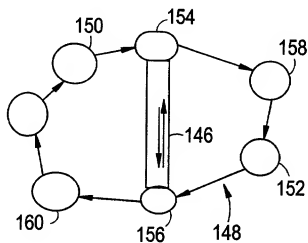


FIG. 15

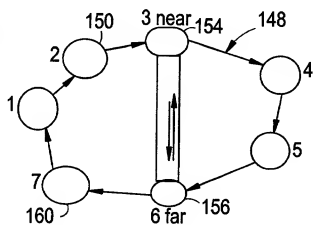
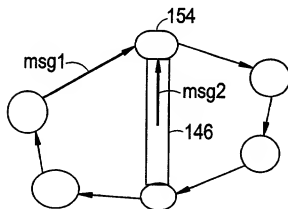


FIG. 16



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FIG. 17

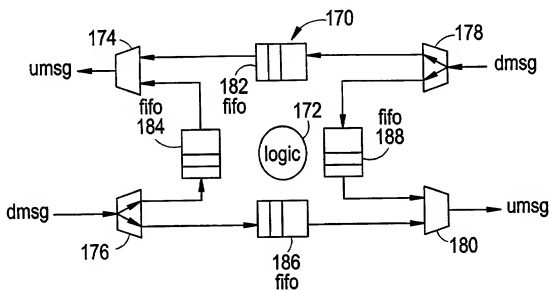


FIG. 18

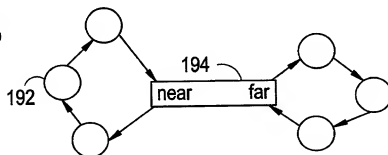
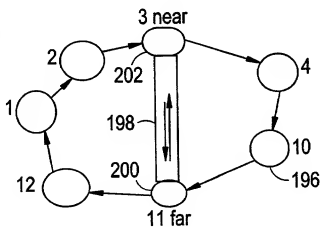


FIG. 19



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FIG. 20

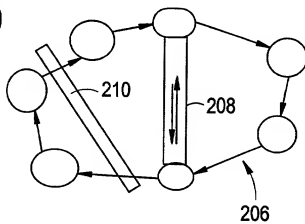


FIG. 21

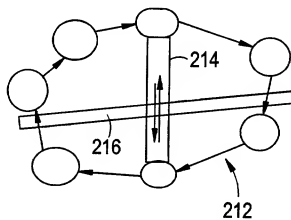


FIG. 22

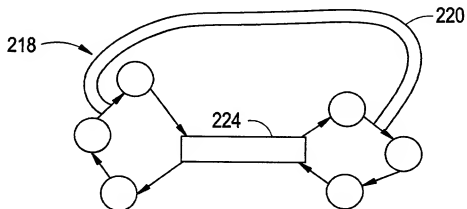


FIG. 23

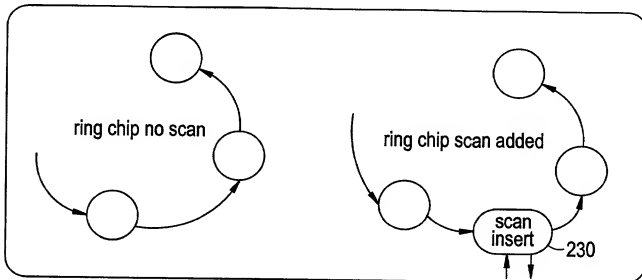


FIG. 24

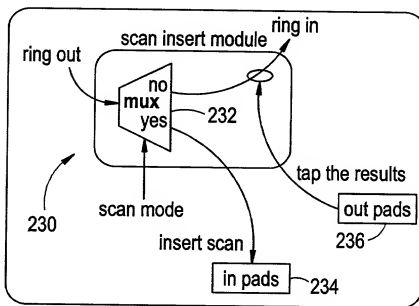


FIG. 25

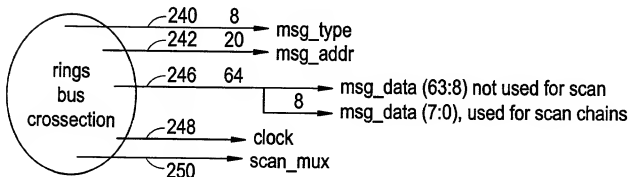


FIG. 26

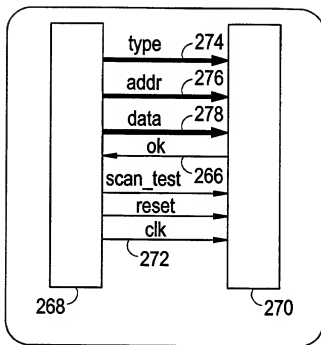
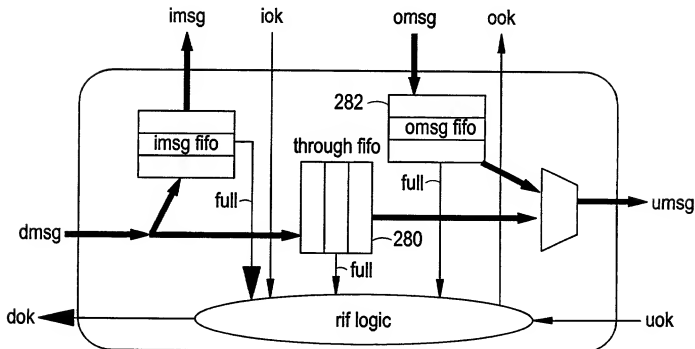


FIG. 27



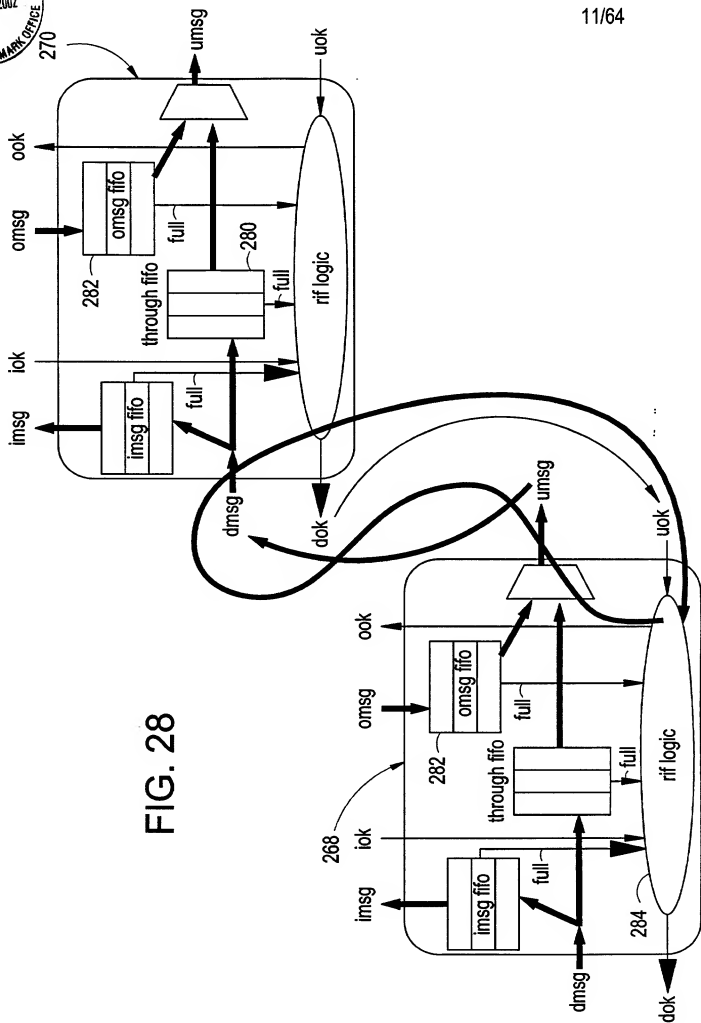
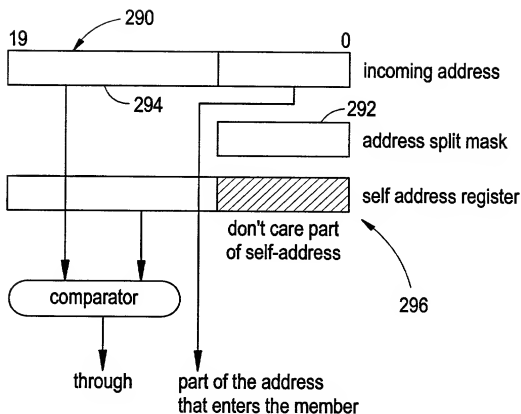


FIG. 29



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FIG. 30

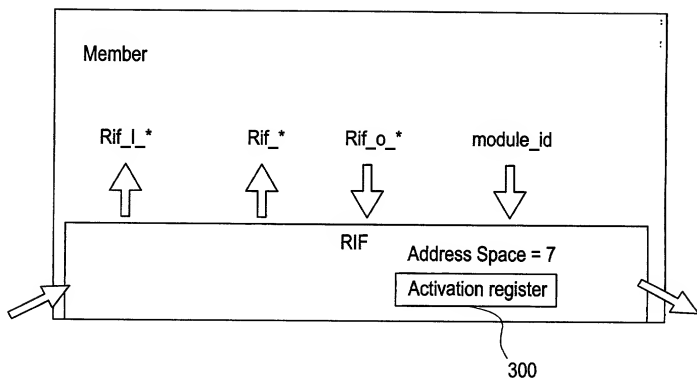


FIG. 31

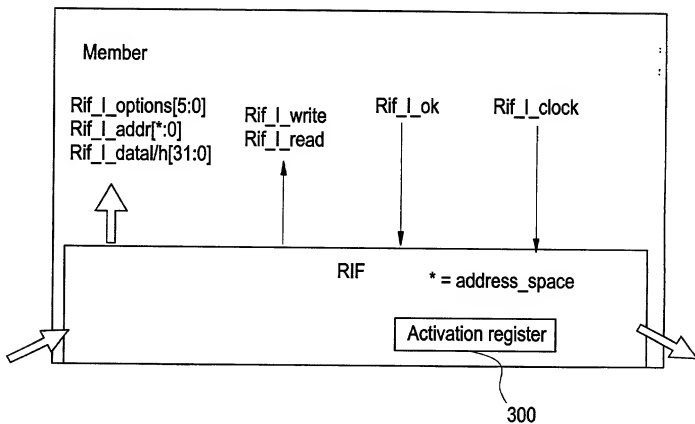


FIG. 32

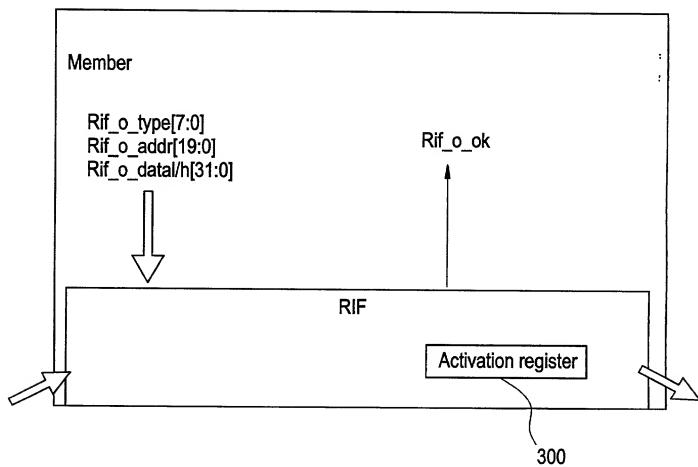


FIG. 33

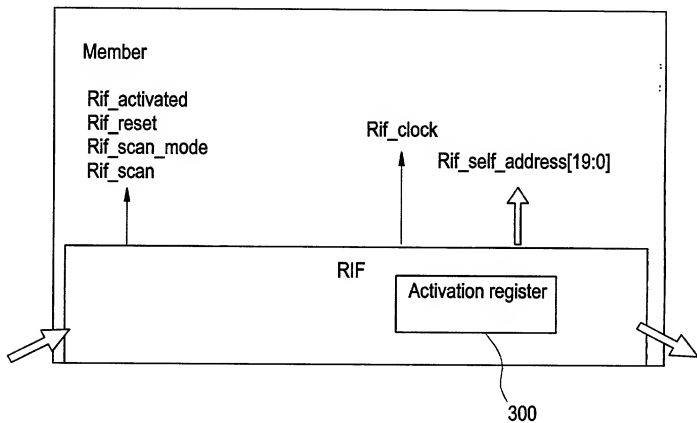


FIG. 34

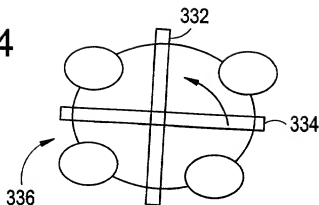


FIG. 35

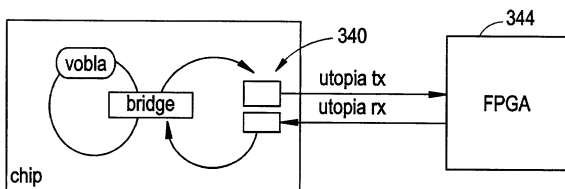


FIG. 36

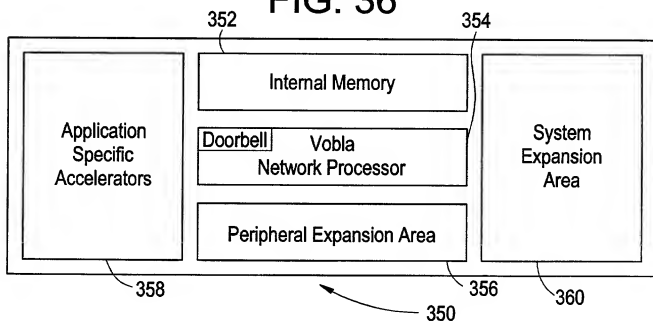
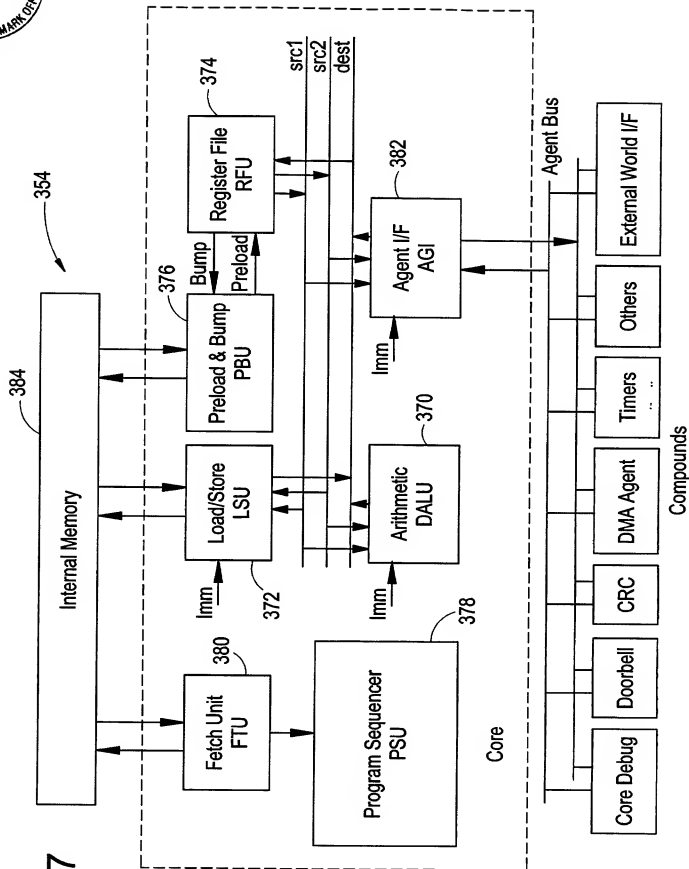
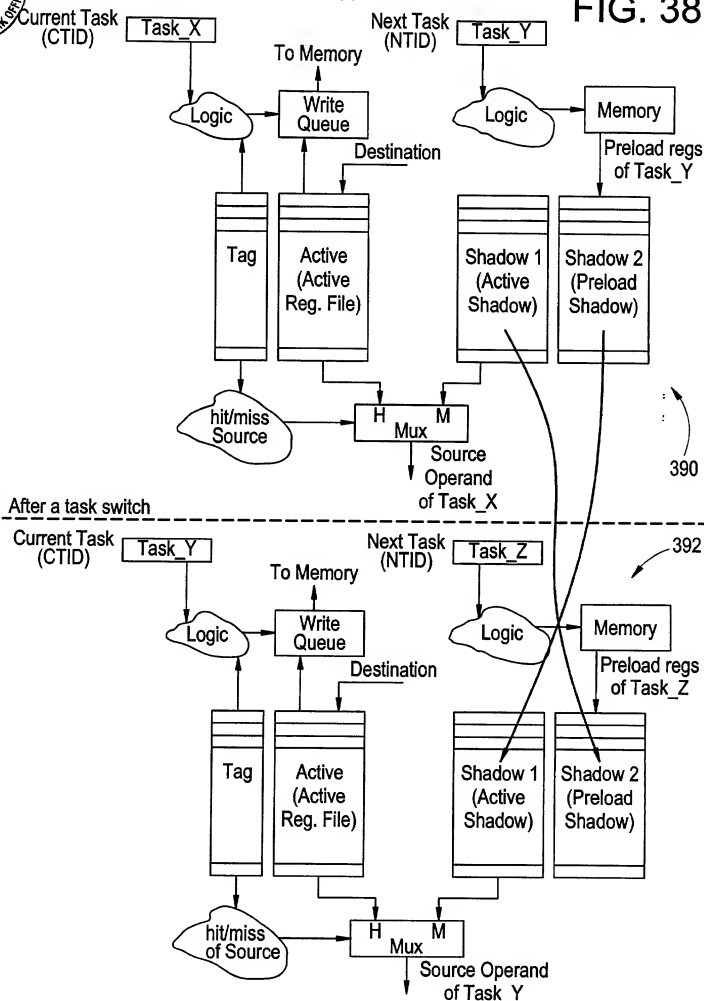


FIG. 37



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FIG. 38



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FIG. 39

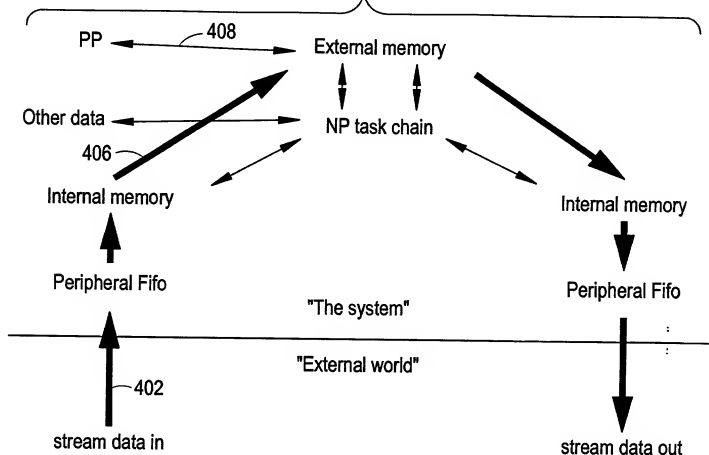


FIG. 40

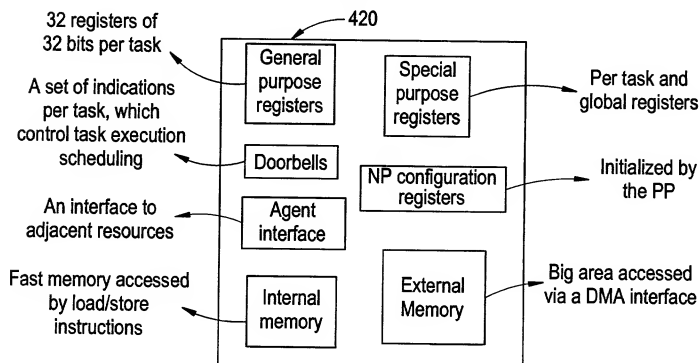


FIG. 41

R1 register

3 3 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 9 8 7 6 5 4 3 2 1 0
1 0 9 8 7 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2 1 0



s - sticky bit

eq - equal/zero

It - less than/negative

qt - greater then/positive

c - carry

mb - reflection of the RAM mult-reader busy indication

FIG. 42

3 3 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 9 8 7 6 5 4 3 2 1 0
1 0 9 8 7 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2 1 0

REFETCH SPR
(spr index - 0)

NEXT REFETCH

REFETCH

440

3 3 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 9 8 7 6 5 4 3 2 1 0
1 0 9 8 7 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2 1 0

TASK SPR
(spr index - 1)

DOOR BELL REQ	COUNT	UMASK R	NTV	NTID	CTID
---------------------	-------	------------	-----	------	------

442

3 3 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 9 8 7 6 5 4 3 2 1 0
1 0 9 8 7 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2 1 0

TRAP SPR
(spr index - 2)

[illegible]

444

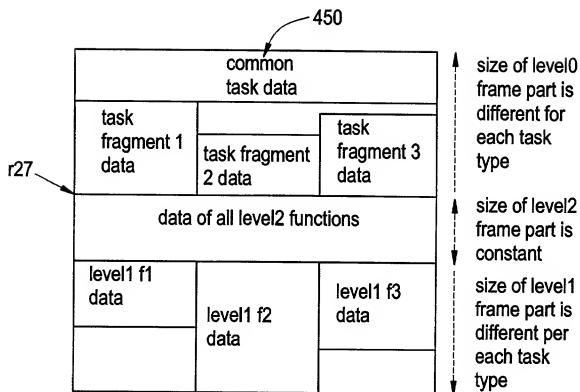
3 3 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 9 8 7 6 5 4 3 2 1 0
1 0 9 8 7 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2 1 0

MINDEX SPR
(spr index - 3)

[illegible]

446

FIG. 43



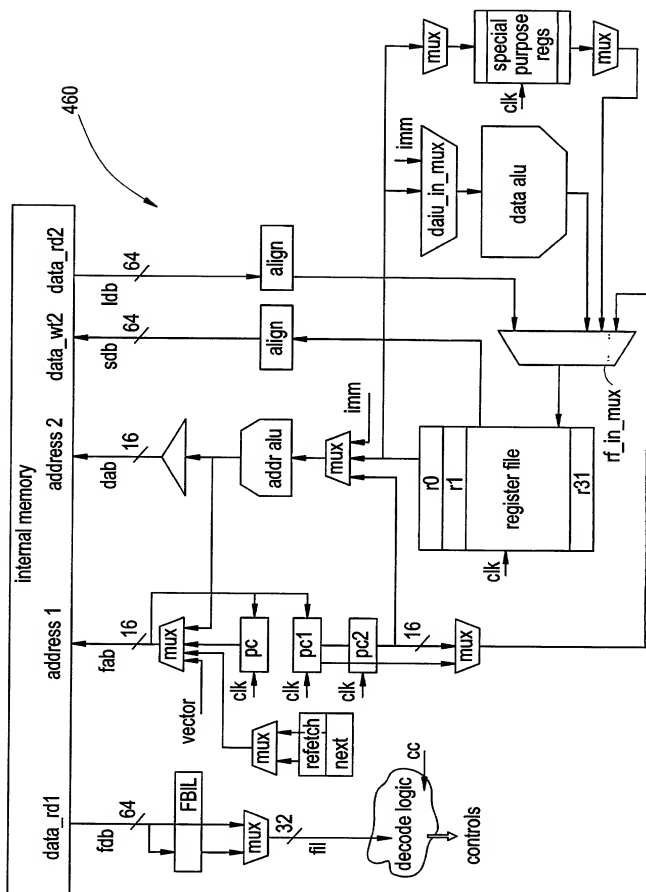


FIG. 45

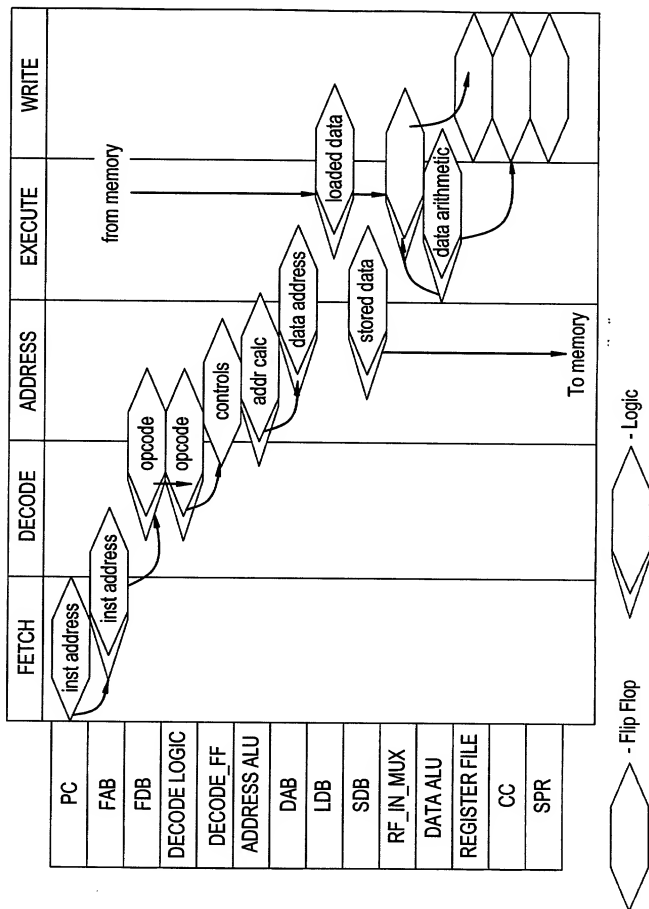


FIG. 46

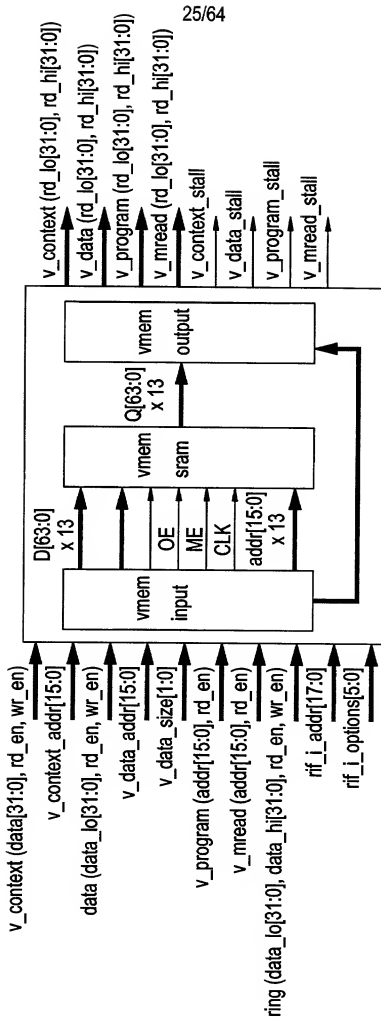


FIG. 47

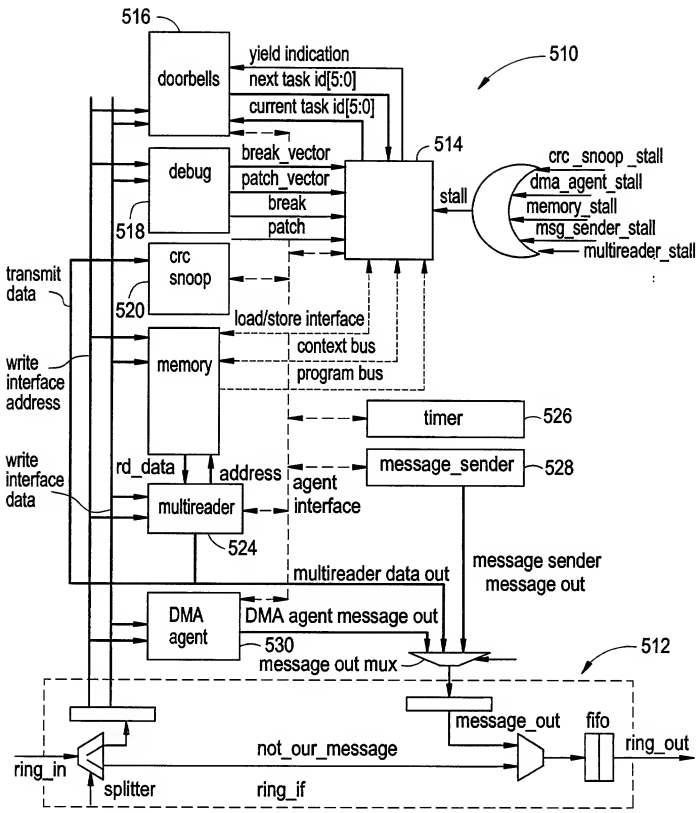


FIG. 48

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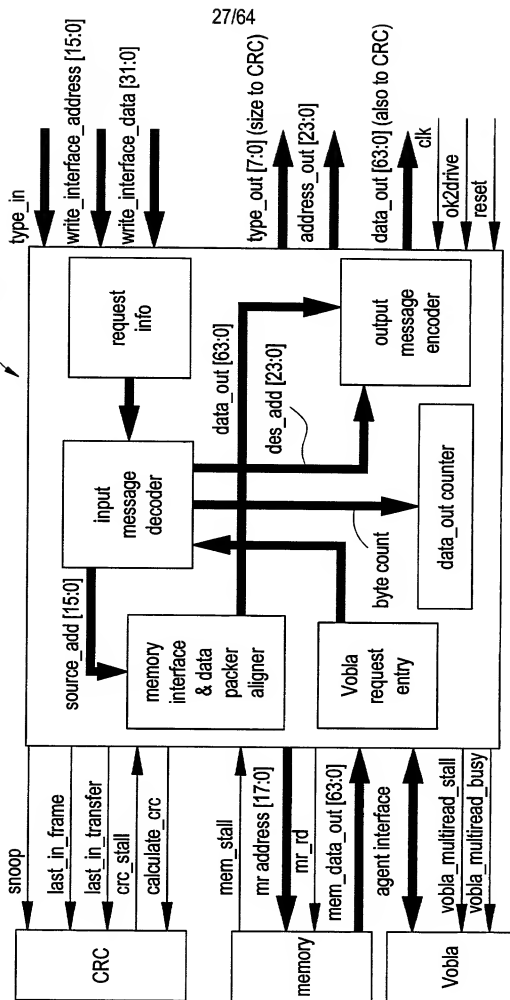


FIG. 49

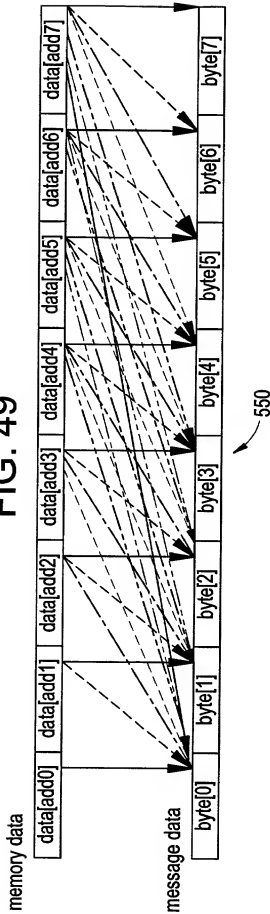


FIG. 50

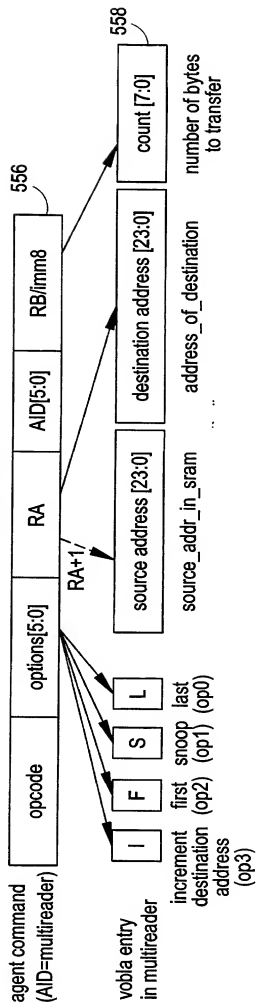


FIG. 51

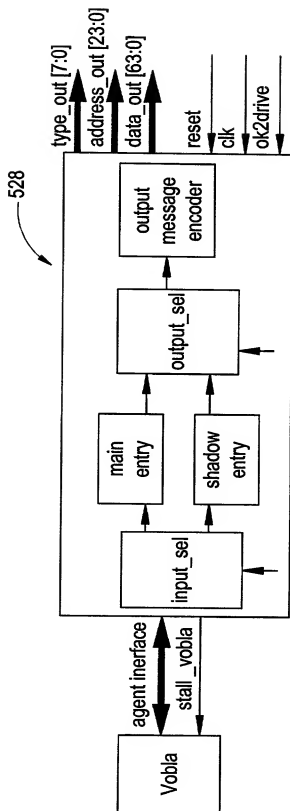


FIG. 52

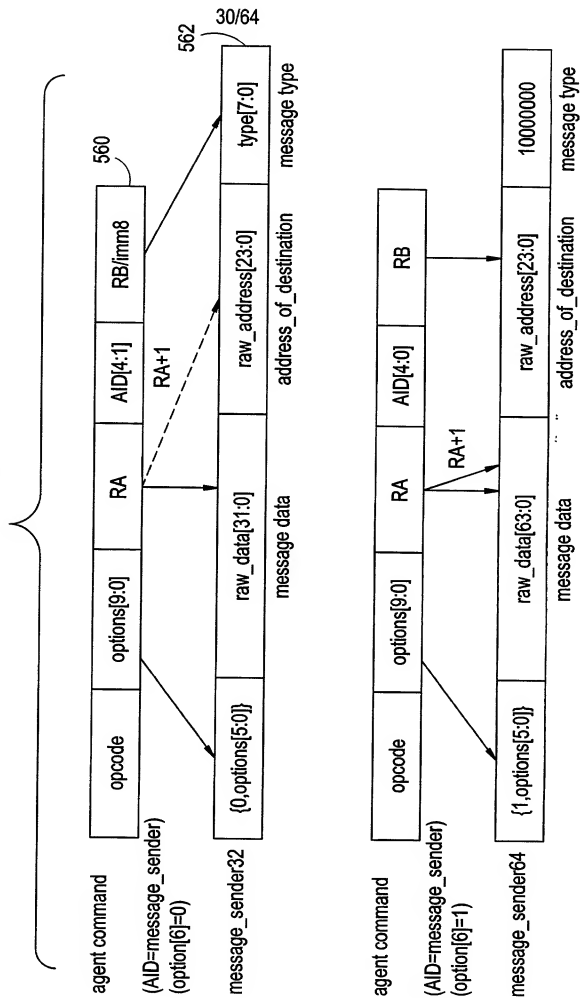
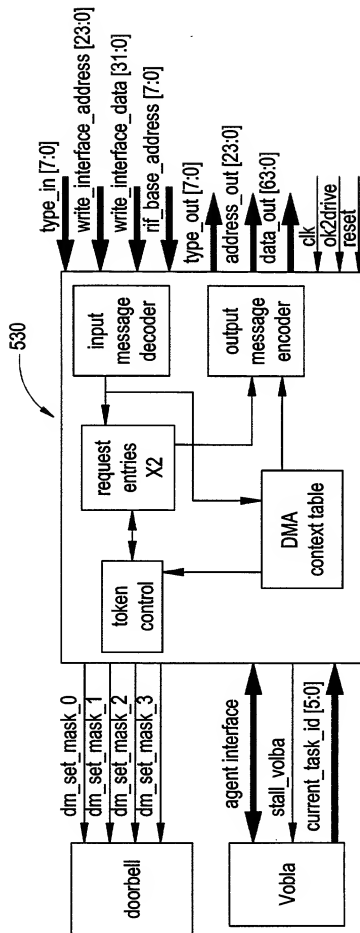


FIG. 53



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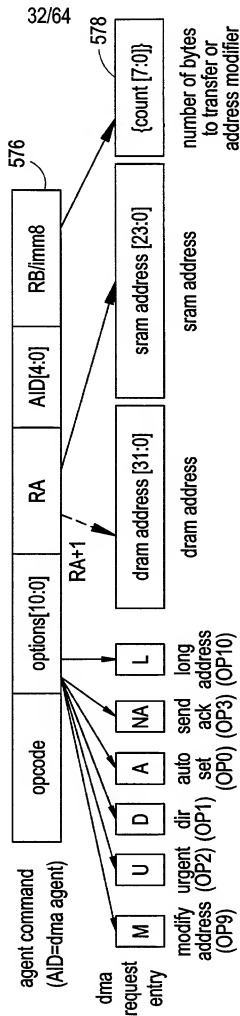


FIG. 55

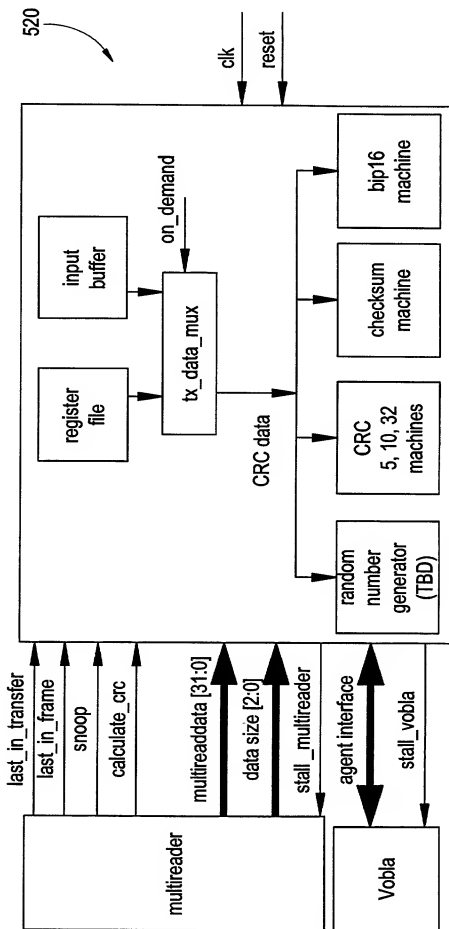


FIG. 56

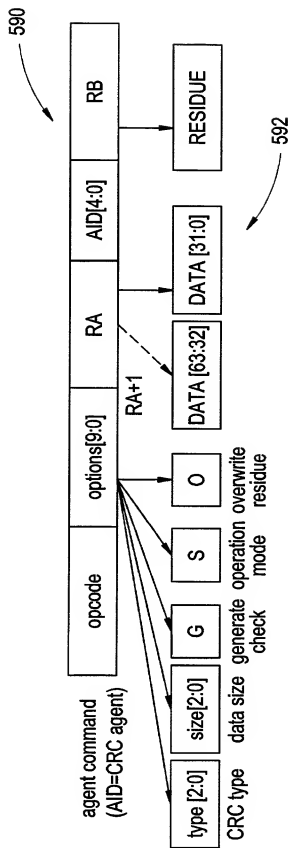


FIG. 57

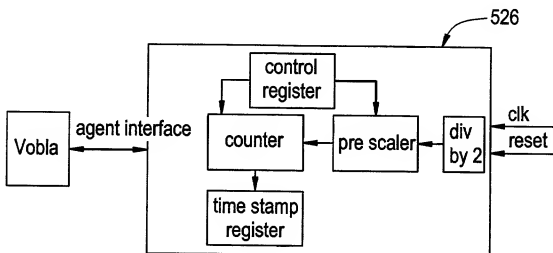
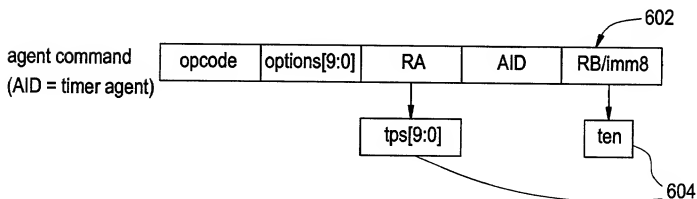


FIG. 58



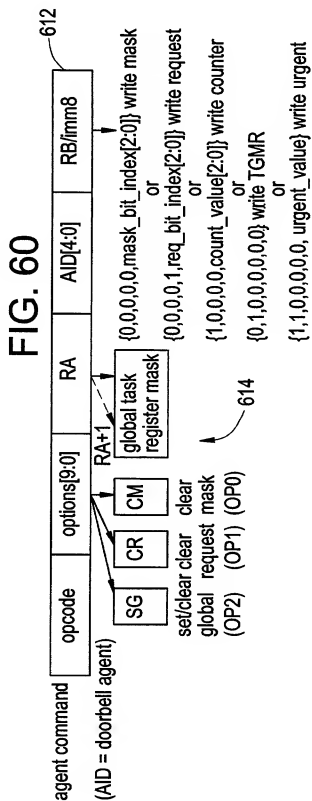
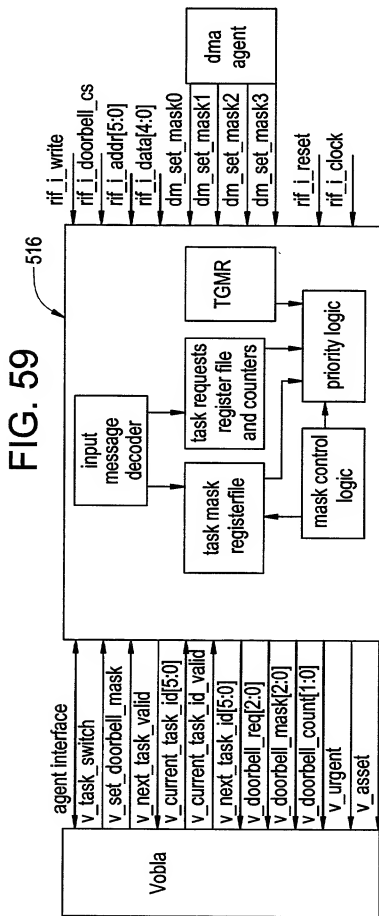


FIG. 61

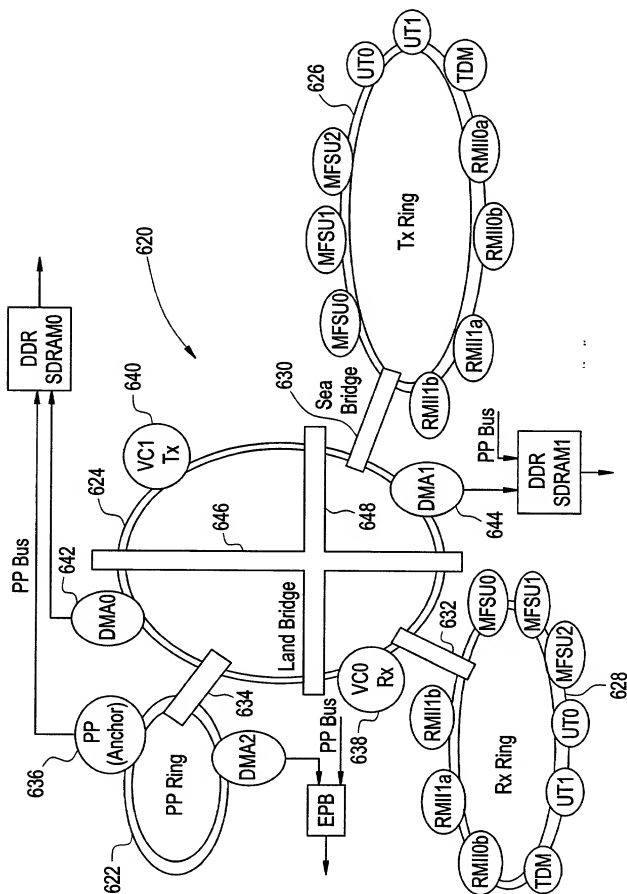
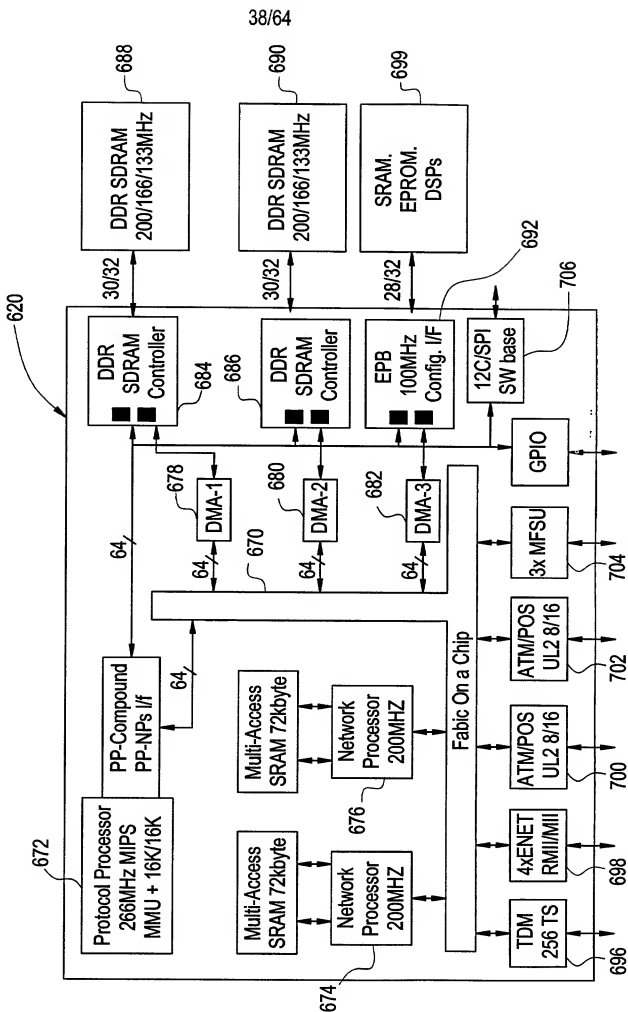


FIG. 62



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FIG. 63

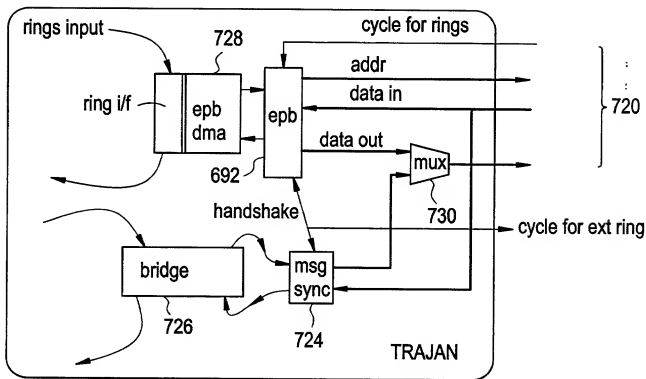


FIG. 64

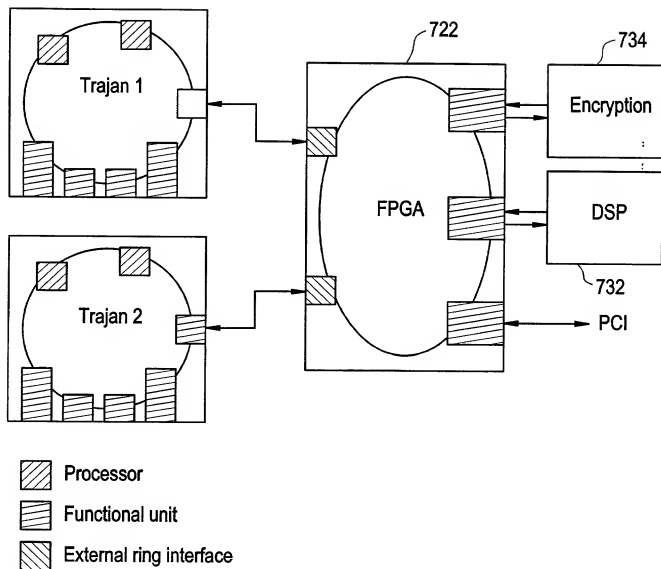


FIG. 65

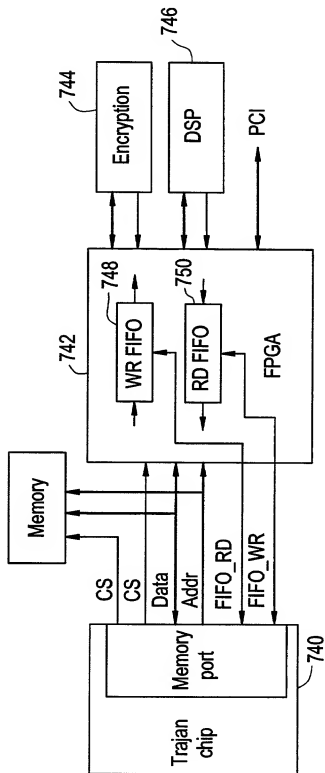


FIG. 67

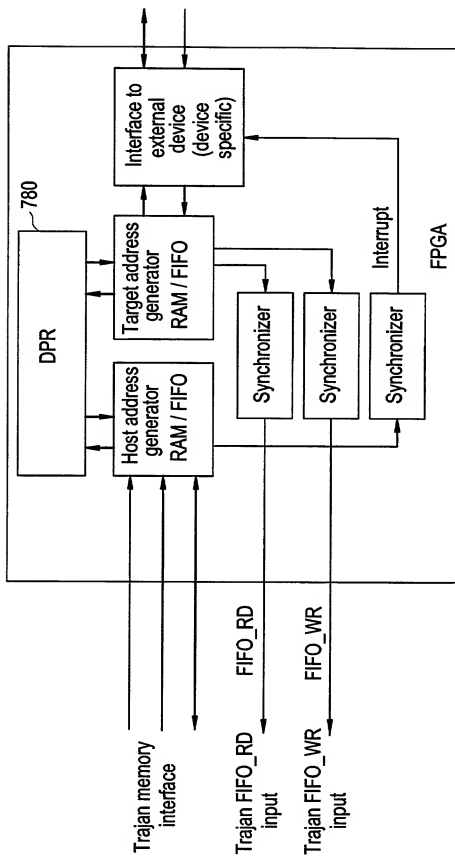
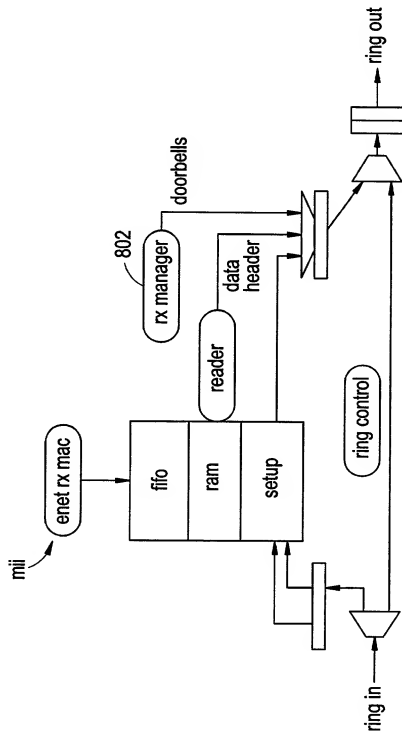


FIG. 68



Fe^{2+} Fe^{3+} Fe^{4+} Fe^{5+} Fe^{6+} Fe^{7+} Fe^{8+} Fe^{9+} Fe^{10+} Fe^{11+} Fe^{12+} Fe^{13+} Fe^{14+} Fe^{15+} Fe^{16+} Fe^{17+} Fe^{18+} Fe^{19+} Fe^{20+} Fe^{21+} Fe^{22+} Fe^{23+} Fe^{24+} Fe^{25+} Fe^{26+} Fe^{27+} Fe^{28+} Fe^{29+} Fe^{30+} Fe^{31+} Fe^{32+} Fe^{33+} Fe^{34+} Fe^{35+} Fe^{36+} Fe^{37+} Fe^{38+} Fe^{39+} Fe^{40+} Fe^{41+} Fe^{42+} Fe^{43+} Fe^{44+} Fe^{45+} Fe^{46+} Fe^{47+} Fe^{48+} Fe^{49+} Fe^{50+} Fe^{51+} Fe^{52+} Fe^{53+} Fe^{54+} Fe^{55+} Fe^{56+} Fe^{57+} Fe^{58+} Fe^{59+} Fe^{60+} Fe^{61+} Fe^{62+} Fe^{63+} Fe^{64+} Fe^{65+} Fe^{66+} Fe^{67+} Fe^{68+} Fe^{69+} Fe^{70+} Fe^{71+} Fe^{72+} Fe^{73+} Fe^{74+} Fe^{75+} Fe^{76+} Fe^{77+} Fe^{78+} Fe^{79+} Fe^{80+} Fe^{81+} Fe^{82+} Fe^{83+} Fe^{84+} Fe^{85+} Fe^{86+} Fe^{87+} Fe^{88+} Fe^{89+} Fe^{90+} Fe^{91+} Fe^{92+} Fe^{93+} Fe^{94+} Fe^{95+} Fe^{96+} Fe^{97+} Fe^{98+} Fe^{99+} Fe^{100+}

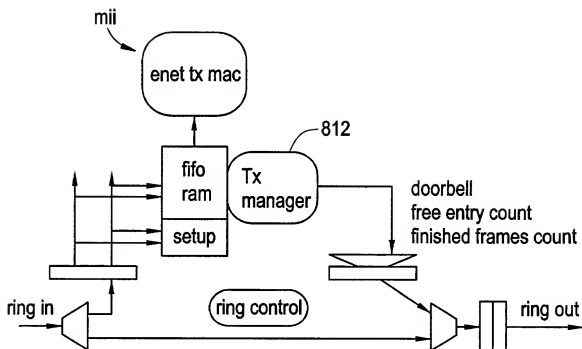


FIG. 70

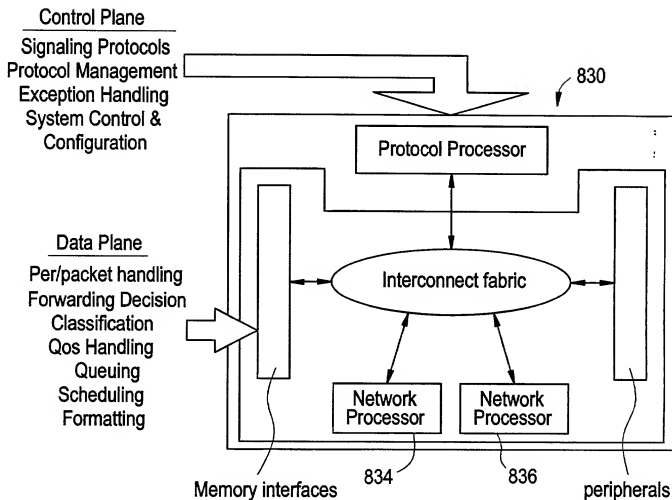


FIG. 71

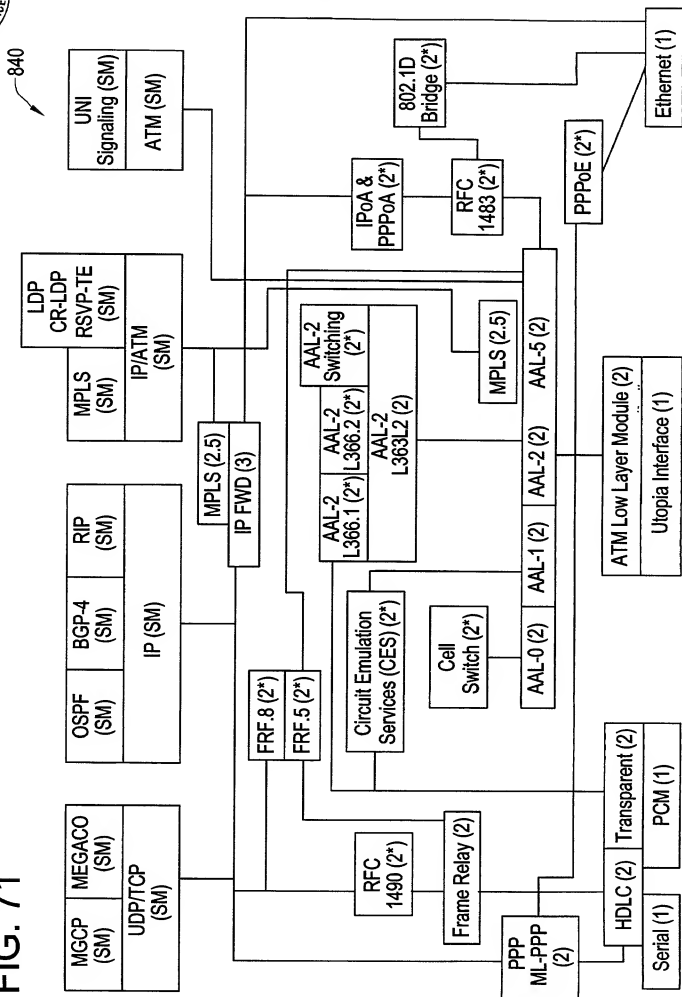


FIG. 72

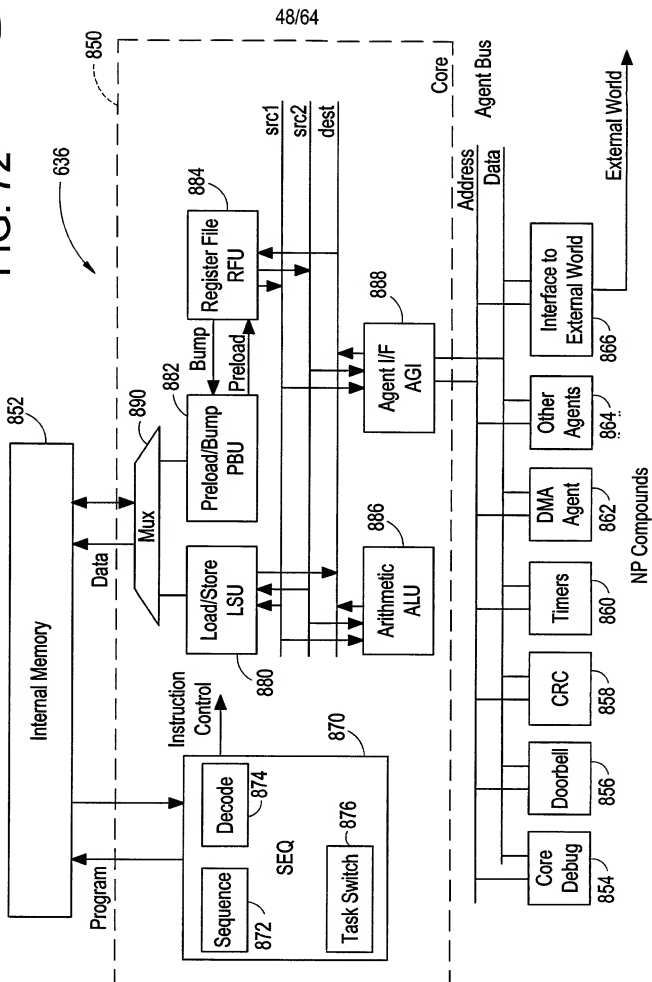


FIG. 73

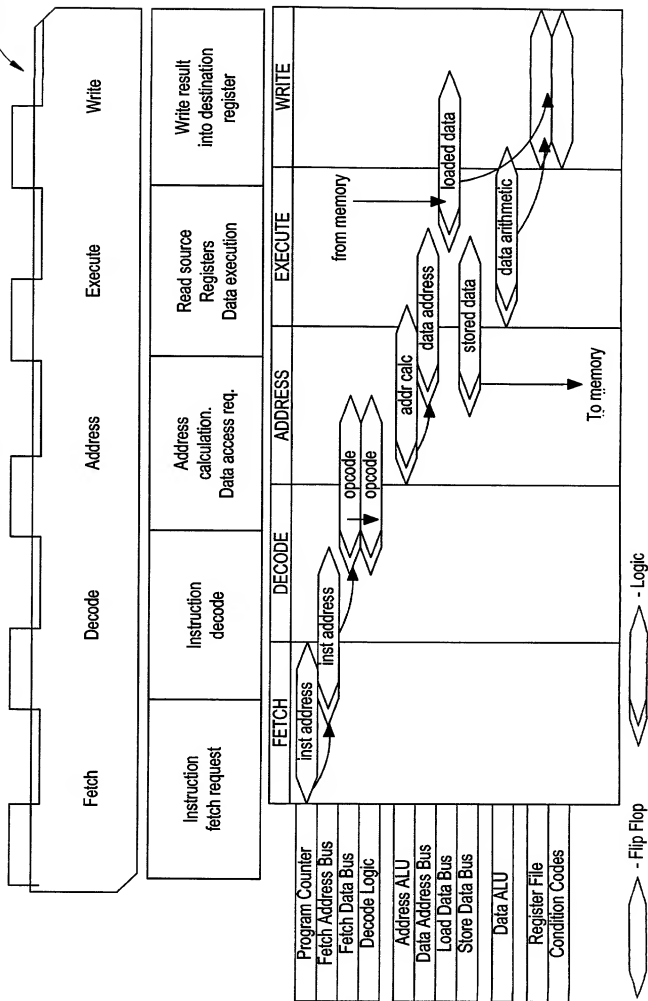


FIG. 74

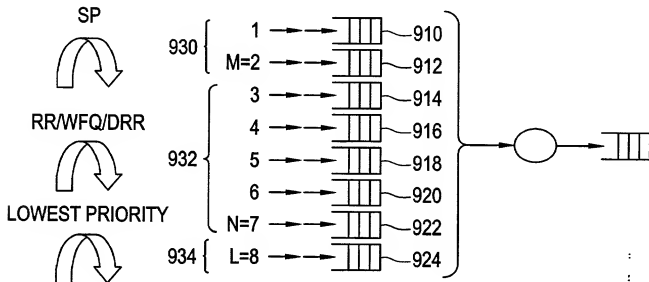
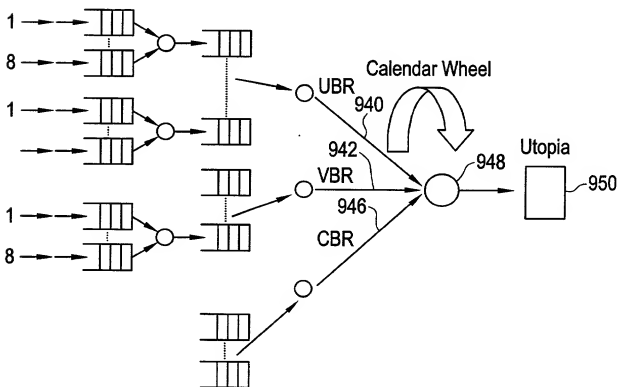


FIG. 75



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FIG. 76

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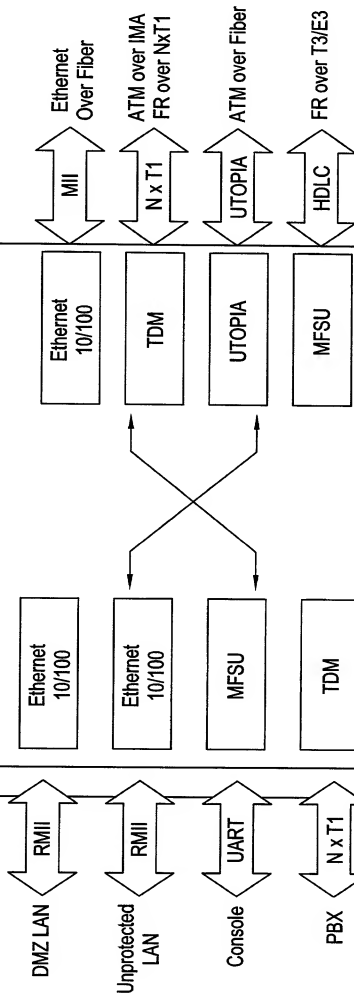


FIG. 77

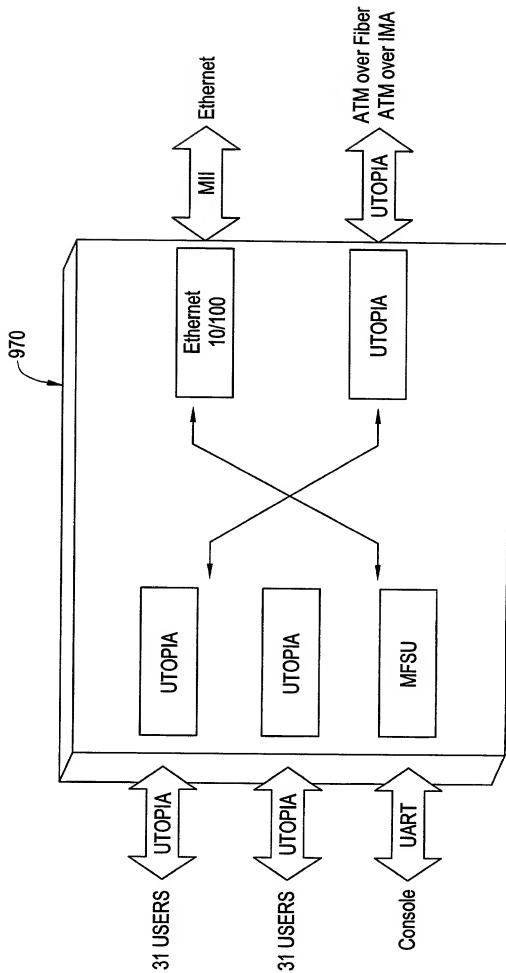


FIG. 78

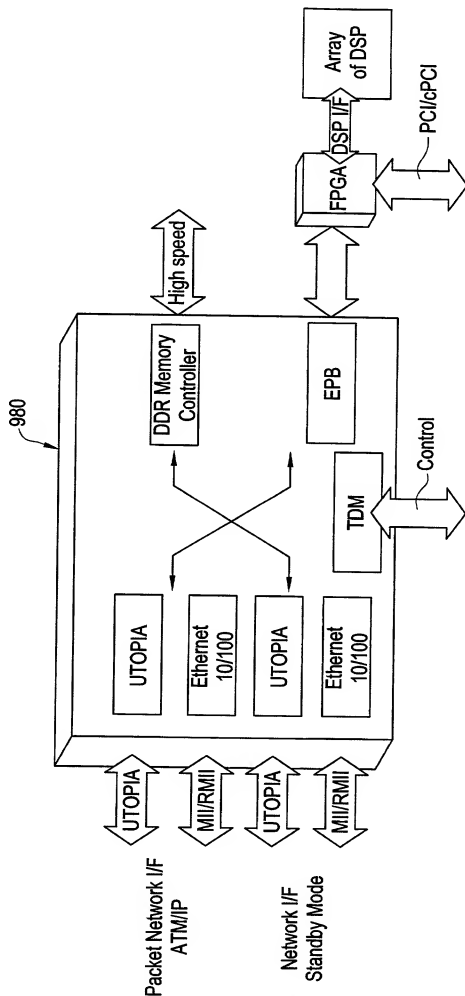


FIG. 79

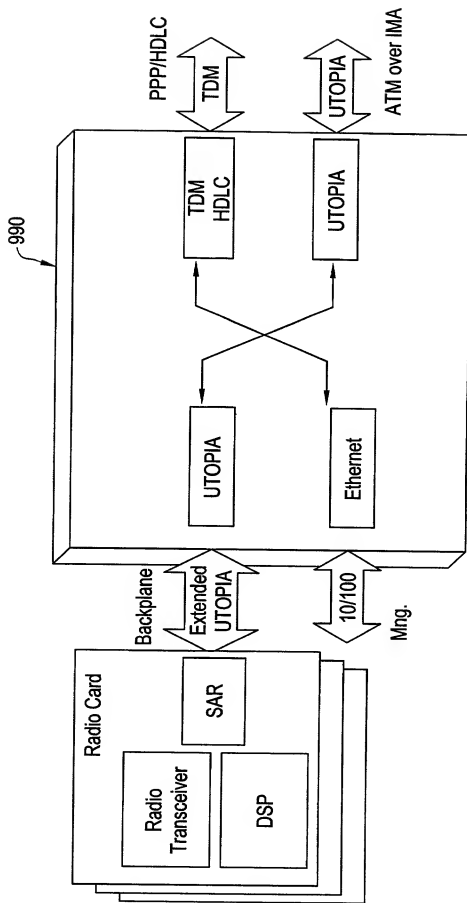


FIG. 80

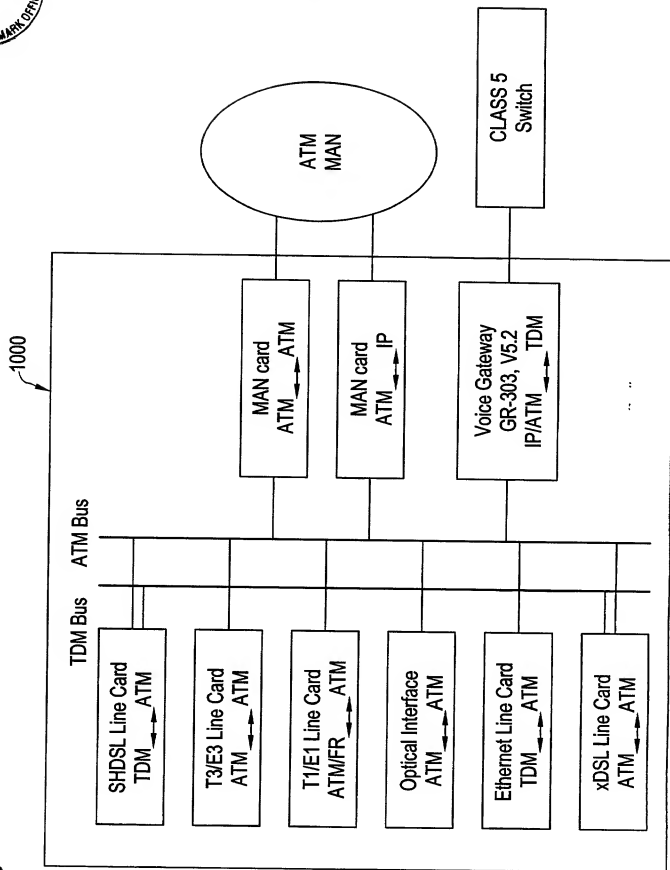


FIG. 81

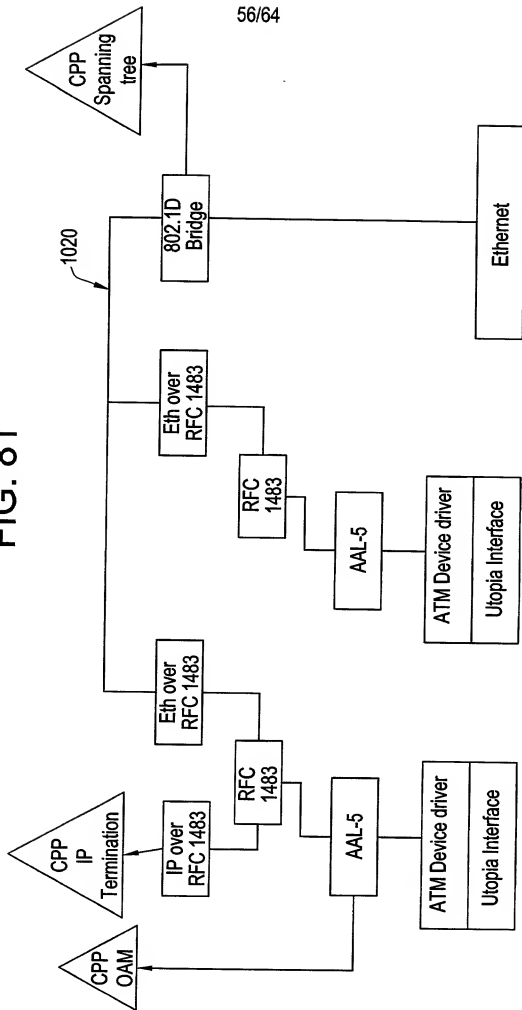


FIG. 82

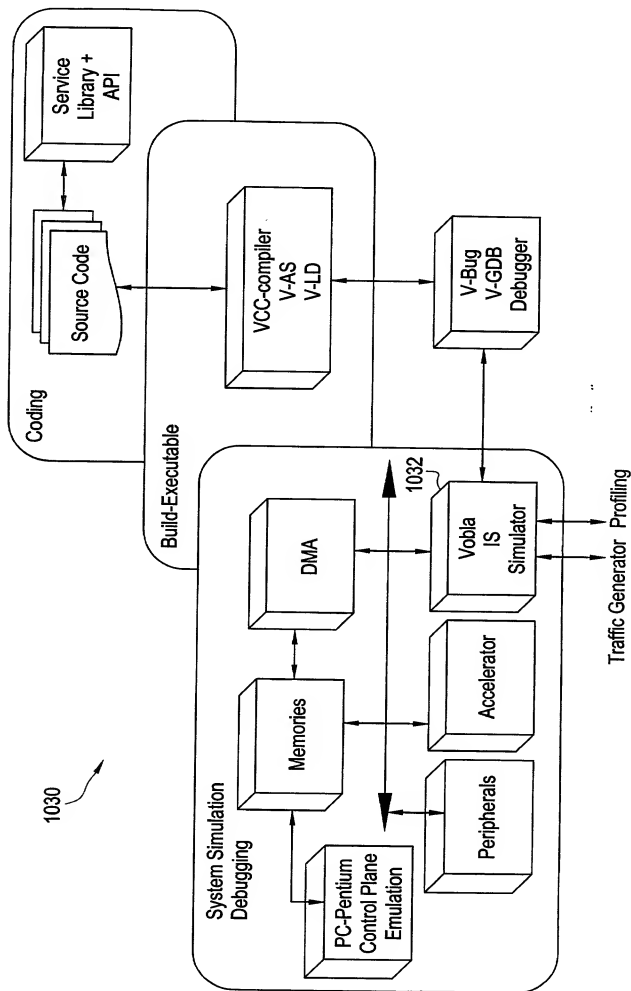


FIG. 83

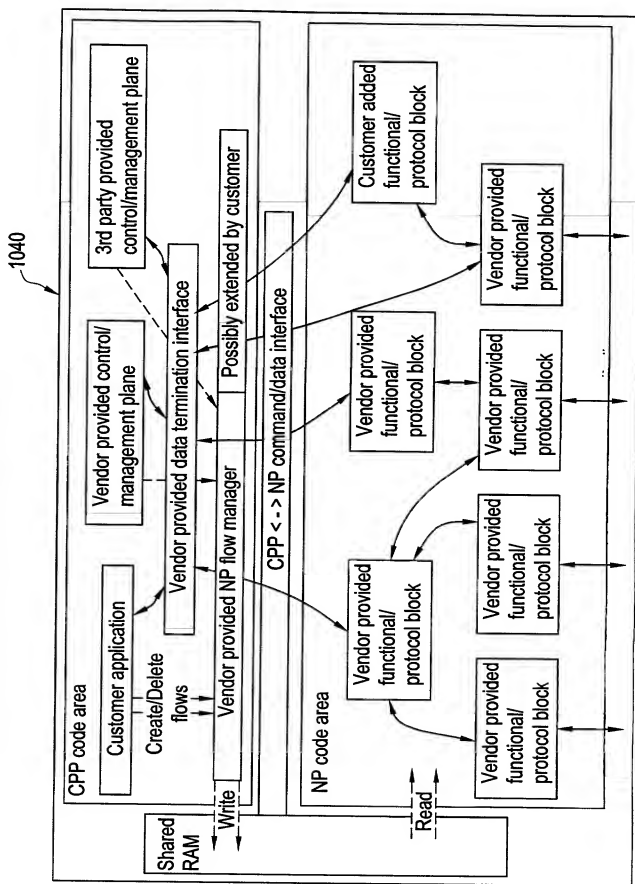
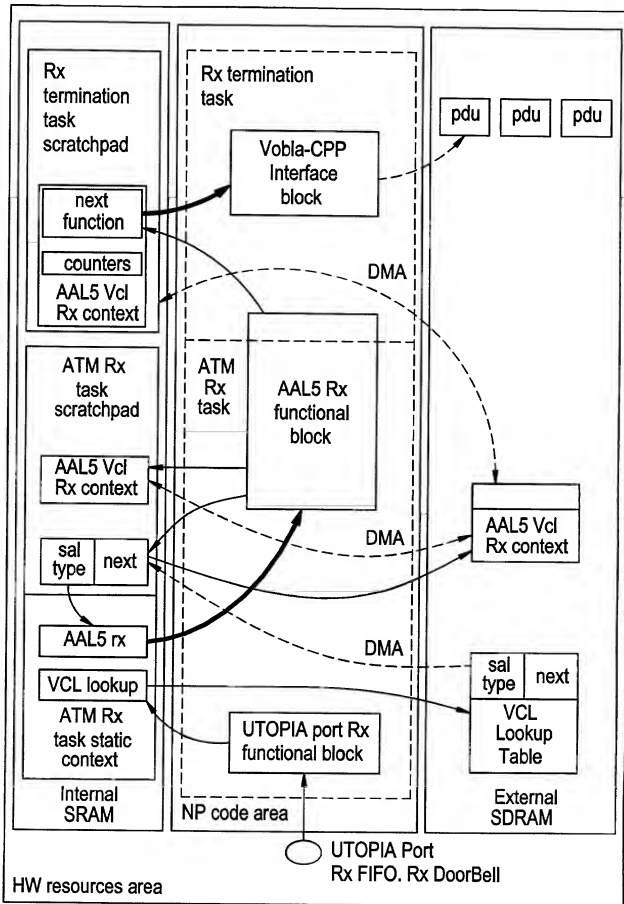


FIG. 84

1050



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FIG. 85

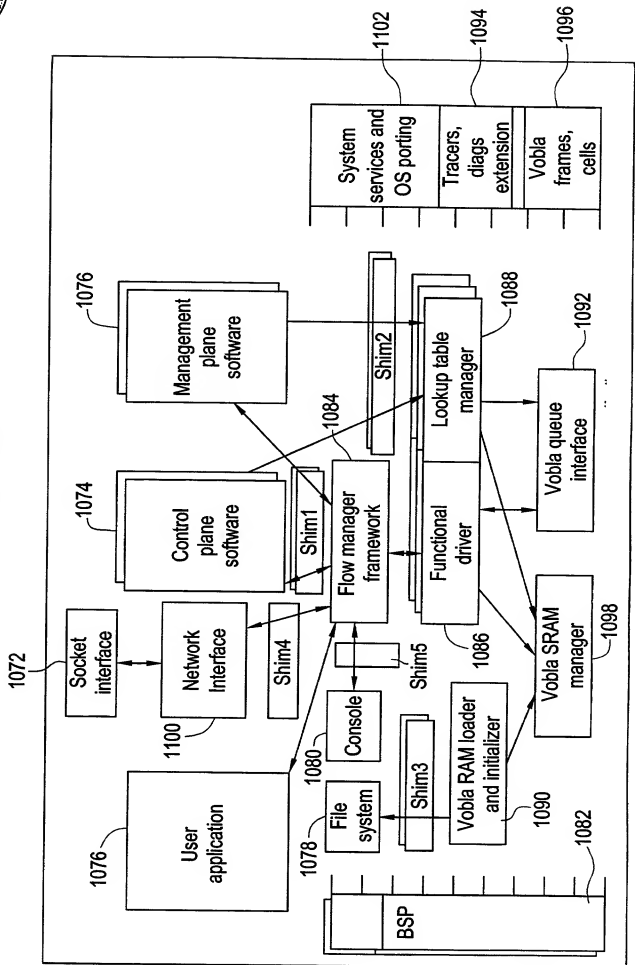


FIG. 86

1200

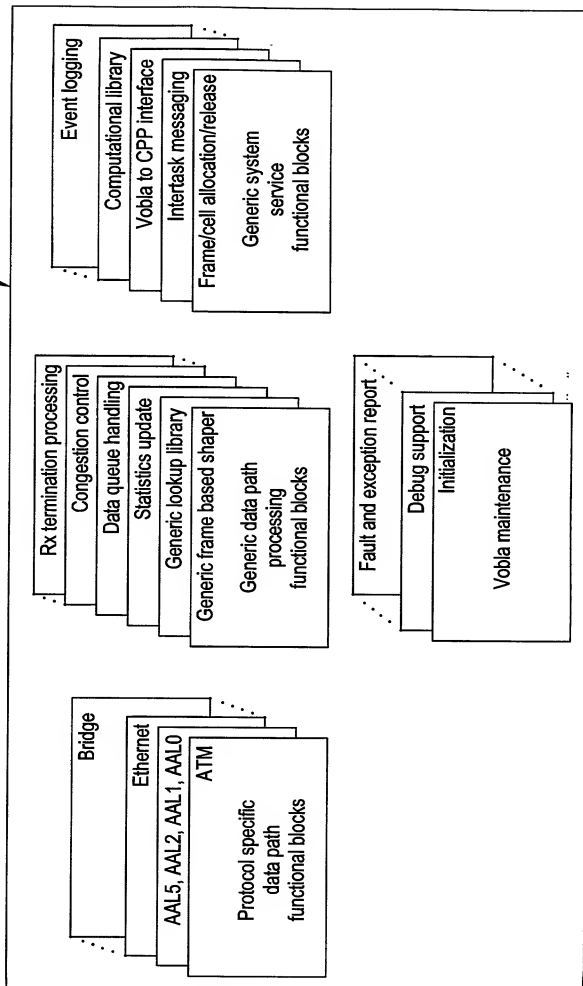


FIG. 87

PRIOR ART

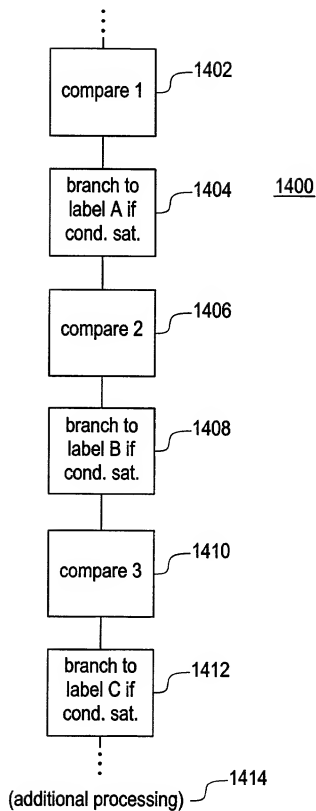


FIG. 88

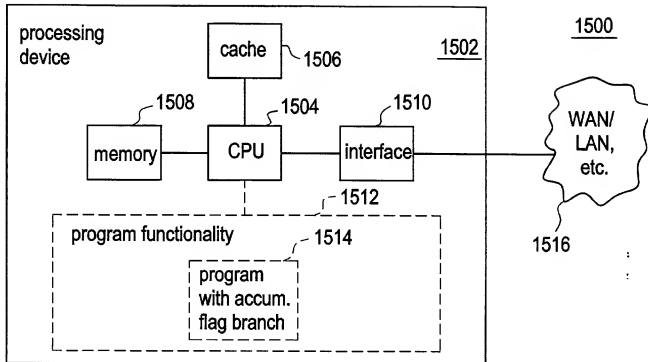
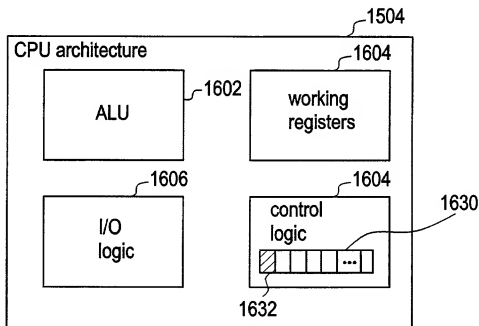


FIG. 89





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FIG. 90

